City

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.Washington, DC 20231.

### APPLICATION TRANSMITTAL Compact, Hybrid Fiber Section First Inventor First	(-	·	
UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b)) APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. Constant Commencer of the Invention Commencer of the Invention Compact of the Invention	u .		
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UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b)) APPLICATION ELEMENTS ASSIstant Commissioner for Patents Bose Patent Application Washington, DC 20231 7.	Please type a plus sign (+) inside this box	U.S. Patent and Trademark	Office; U.S. DEPARTMENT OF COMMERCE
### APPLICATION TRANSMITTAL Compact, Hybrid Fiber Section First Inventor First	Under the Paperwork Reduction Act of 1995, no persons are required to r	respond to a collection of information	unless it displays a valid OMB control number
PATENT APPLICATION TRANSMITTAL (Conly for new nonprovisional applications under 37 CFR 1.53(b)) APPLICATION ELEMENTS APPLICATION ELEMENTS APPLICATION ELEMENTS APPLICATION ELEMENTS ASSIGNATION ELEMENTS ASSIGNATION ELEMENTS ASSIGNATION ELEMENTS ASSIGNATION ELEMENTS ASSIGNATION ELEMENTS ADDRESS TO: Box Patent Application Washington, DC 20231 [I.] For Transmittal Form (e.g. PTIOSR) or Continuation and subjective five for processing or computer program (adjustment performance of the invention or Cross Reference to Sequence Issting, a table, or a computer program listing appendix - Background of the Invention or Cross Reference to Sequence Issting, a table, or a computer program listing appendix - Background of the Drawings (if filed) - Detailed Description of the Drawings (if fi	™ UTILITY	Attornev Docket No.	25145A
TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b)) APPLICATION ELEMENTS APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.			- W.C
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APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Box Patent Application Mashinghous programs and processors of the processor of the	IRANSWIIIIAL	Title Compact, Hy	DITH PIDCI
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility petent application contents. ADDRESS TO: Assistant Commissioner for Patents Dox Patent Application Dec 20231 December of the processor of the Concerning utility petent application contents. Computer arrangement and embeds by the preciseograph of the Computer Program (Appendix) See 37 CFR 1.27 Descriptive title of the invention Cross Reference to Related Applications Statement Regarding Fed sponsored R & D Reference to sequence listing, a table, or a computer program islating appendix Brief Description of the Drawings (if filed) Detailed Description Application (37 CFR 1.83 (d)) Cropy from a prior application (37 CFR 1.83 (d)) Cropy from a prior application (37 CFR 1.83 (d)) Cropy from a prior application (37 CFR 1.83 (d)) Signed statement attached deleting Inventor(s) named in the prior application (37 CFR 1.76 Application Data Sheet See 37 CFR 1.76 Application Data Sheet Lander 37 CFR 1.76 Continuation Description of the Continuation Developed Description of the Continuation Developed Description of the Drawings (if filed) Descriptio	(Only for new nonprovisional applications under 37 CFR 1.53(b)	Express Mail Label N	o. EL846771118US
See MPEP chapter 600 concerning utility patent application contents. ADDRESS 10:	APPLICATION FLEMENTS		Assistant Commissioner for Patents
1.			
Computer Program (Appendix)			
Applicant claims small entity status. Sepecification Cors Reference to Related Applications Cross Reference to Related Application Statement (Imperiod Continuation (Imperiod Cross Statement (Imperiod Cross Sta			
Specification Descriptive title of the invention Descriptive title of the invention Corns Reference to Related Applications Statement Regarding Fed sponsored R & D Reference to sequence listing, a table, or a computer program listing appendix Bickground of the Invention Defaled Description Defaled Description Claim(s) Defaled Description Claim(s) Abstract of the Disciosure A COMPANVING APPLICATION PARTS Defaled Description Claim(s) Abstract of the Disciosure A COMPANVING APPLICATION PARTS Defaled Description Claim(s) Newly executed (original or copy) B. Mewly executed (original or copy) Copy from a prior application (37 CFR 1.83 (d)) Copy from a prior application (37 CFR 1.83 (d)) Copy from a prior application, see 37 CFR 1.36(f(s)) and 1.38(f(s)) and 1.38(f		8. Nucleotide and/or An	nino Acid Sequence Submission
Constanted arrangement set forth below Cores Reference to Related Application	Consideration (Table Dame (TET) 1		
- Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4.	3. (preferred arrangement set forth below)	a 1	,
Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drivention - Claim(s) - Detailed Description - Claim(s) - Abstract of the Disclosure 4.		•	_
or a computer program listing appendix Background of the Invention Brief Description of the Drawings (if filed) Detailed Description of the Drawings (if filed) Claim(s) Abstract of the Disclosure Drawing(s) (35 U.S.C. 113) [Total Sheets []] Newly executed (original or copy) Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 17 completed) i. Delection Detailed Description [NVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.76! T. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Division Data Sheet under 37 CFR 1.76: Continuation Division Data Sheet under 37 CFR 1.76: Continuation Data Sheet under 37 C		i.∐ CD-RON	/I or CD-R (2 copies); or
- Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Claim(s) - Claim(s) - Abstract of the Disclosure 4.		ii.□ paper	
- Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Claim(s) - Abstract of the Disclosure 4. X Drawing(s) (35 U.S.C. 113)	- Background of the Invention	c. Statements	verifying identity of above copies
- Claim(s) - Abstract of the Disclosure - Information Disclosure - Statement (IIDS)/PTO-1449 - Information Disclosure - Statement (IIDS)/PTO-1449 - Information Disclosure - Statement (IIDS)/PTO-1449 - Information Disclosure - Copies of IDS - Statement (IIDS)/PTO-1449 - Information Disclosure - Copies of IDS - Statement (IIDS)/PTO-1449 - Information Disclosure - Copies of IDS - Statement (IIDS)/PTO-1449 - Information Disclosure - Copies of IDS - Statement (IIDS)/PTO-1449 - Information Disclosure - Copies of IDS - Statement (IIDS)/PTO-1449 - Information Disclosure - Copies of IDS - Statement (IIDS)/PTO-1449 - Information Disclosure - Copies of IDS - Statement (IIDS)/PTO-1449 - Information Disclosure - Information Disclosure - Copies of IDS - Statement (IIDS)/PTO-1449 - Information Disclosure - Inform	 Brief Summary of the Invention Brief Description of the Drawings (if filed) 	ACCOMPANY	ING APPLICATION PARTS
- Abstract of the Disclosure 4.		9. Assignment F	Papers (cover sheet & document(s))
4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 4]			
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5. Oath or Declaration [Total Pages] 12. X Statement (IDS)/PTO-1449 Cttations a. Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63 (d)) copy from a prior application (37 CFR 1.63 (d)) copy from a prior application (37 CFR 1.63 (d)) copy from a prior application (37 CFR 1.63 (d)) copy from a prior application (37 CFR 1.63 (d)) copy from a prior application (37 CFR 1.63 (d)) copy from a prior application (37 CFR 1.63 (d)) copy from a prior application, see 37 CFR (1.63 (d)) copy from a prior application of the prior application (if foreign priority is claimed) copy from a prior application Data Sheet. See 37 CFR 1.76 17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Data Sheet under 37 CFR 1.76: Continuation Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) Prior application information Examiner Group / Art Unit For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 18. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label Correspondence address below Name	4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 4]	🖵 -	0 : 1100
a.	5. Oath or Declaration [Total Pages		Biodicodic IX I a
i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76 17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part(CIP) of prior application No Frior application information Examiner Group / Art Unit For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 18. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label 2 2 2 8 9	a. Newly executed (original or copy)	13 Preliminary	
i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76 17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part(CIP) of prior application No Frior application information Examiner Group / Art Unit For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 18. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label 2 2 2 8 9	b. Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 17 completed)	Return Rece	
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Application Data Sheet. See 37 CFR 1.76 17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part(CIP) of prior application No/ Prior application information Examiner Group / Art Unit For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 18. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label 2,2889 Or Correspondence address below		16 Other:	
or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No			
or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No	17. If a CONTINUING APPLICATION, check appropriate box, and	supply the requisite information I	below and in a preliminary amendment,
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Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 18. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label 22.889 or Correspondence address below (Insert Customer No. or Attach bar code label here)			
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 18. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label 22889 or Correspondence address below (Insert Customer IVo. or Attach bar code label bere).			
Customer Number or Bar Code Label 2 2 8 8 9 or Correspondence address below (Insert Customer No. or Attach bar code lebel here) Name	The incorporation can only be relied upon when a portion has been in	advertently omitted from the submi	
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7 (447-000)	Address		

James Dottavio Registration No. (Attorney/Agent) Name (Print/Type) 40,360 10-31-01 Signature Date Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application,

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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

\$)	7	7	6	0	(

Complete if Known		
Application Number	Unknown	
Filing Date	Herewith	
First Named Inventor	Hager	*****
Examiner Name	Unknown	
Group Art Unit	Unknown	
Attorney Docket No.	25145A	

METHOD OF PAYMENT	FEE CALCULATION (continued)	
The Commissioner is hereby authorized to charge	3. ADDITIONAL FEES	
1. X indicated fees and credit any overpayments to:	Large Small	
Deposit Account 50-0568	Entity Entity	
Number	Fee Fee Fee Fee Fee Description Code (\$) Code (\$)	Fee Paid
Deposit Account Name Owens-Corning Fiberglas Technology, Inc.	105 130 205 65 Surcharge - late filing fee or oath	0.00
Charge Any Additional Fee Required	127 50 227 25 Surcharge - late provisional filing fee or cover sheet	0.00
Logical Under 37 CFR 1 16 and 1 17 Applicant claims small entity status	139 130 139 130 Non-English specification	0.00
See 37 CFR 1 27	147 2,520 147 2,520 For filing a request for ex parte reexamination	0.00
2. Payment Enclosed:	112 920* 112 920* Requesting publication of SIR prior to	0.00
Check Credit card Money Other	Examiner action	
FEE CALCULATION	113 1,840* 113 1,840* Requesting publication of SIR after Examiner action	0.00
1. BASIC FILING FEE	115 110 215 55 Extension for reply within first month	0.00
Large Entity Small Entity	116 400 216 200 Extension for reply within second month	0.00
Fee Fee Fee Fee Description	117 920 217 460 Extension for reply within third month	0.00
Code (4) Code (4)	118 1,440 218 720 Extension for reply within fourth month	0.00
101 740 201 370 Utility filing fee 740.00	128 1,960 228 980 Extension for reply within fifth month	0.00
106 330 206 165 Design filing fee 0.00	119 320 219 160 Notice of Appeal	0.00
107 510 207 255 Plant filing fee 108 740 208 370 Reissue filing fee 0.00	120 320 220 160 Filing a brief in support of an appeal	0.00
	121 280 221 140 Request for oral hearing	0.00
114 160 214 80 Provisional filing fee 0.00	138 1,510 138 1,510 Petition to institute a public use proceeding	0.00
SUBTOTAL (1) (\$) 740.00	140 110 240 55 Petition to revive - unavoidable	0.00
2. EXTRA CLAIM FEES	141 1,280 241 640 Petition to revive - unintentional	0.00
Fee from Extra Claims below Fee Paid		0.00
Total Claims 22 -20** = 2 X 18.00 = 36.00	143 460 243 230 Design issue fee	0.00
Independent 3 - 3** = 0 X 84 00 = 0 00	144 620 244 310 Plant issue fee	0.00
Claims Multiple Dependent 0 = 0.00	122 130 122 130 Petitions to the Commissioner	0.00
1	123 50 123 50 Processing fee under 37 CFR 1.17(q)	0.00
Large Entity Small Entity	126 180 126 180 Submission of Information Disclosure Stmt	0.00
Fee Fee Fee Fee Fee Description Code (\$) Code (\$) 103 18 203 9 Claims in excess of 20	581 40 581 40 Recording each patent assignment per property (times number of properties)	0.00
102 84 202 42 Independent claims in excess of 3	146 740 246 370 Filing a submission after final rejection (37 CFR § 1.129(a))	0.00
104 280 204 140 Multiple dependent claim, if not paid	149 740 249 370 For each additional invention to be	
109 84 209 42 ** Reissue independent claims over original patent	examined (37 CFR § 1.129(b))	0.00
110 18 210 9 ** Reissue claims in excess of 20	179 740 279 370 Request for Continued Examination (RCE)	0.00
and over original patent	169 900 169 900 Request for expedited examination of a design application	0.00
SUBTOTAL (2) (\$) 36.00	Other fee (specify)	0.00
**or number previously paid if greater: For Reissues see above	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)	0.00

SUBMITTED BY			Complete (f applicable)
Name (Print/Type)	James J. Dottavio	Registration No. (Attorney/Agent) 40,360	Telephone	740/321-7167
Signature	109 July		Date	10-71-61

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